

## HW - PPP

Date \_\_\_\_\_

**Write the slope-intercept form of the equation of the line through the given point with the given slope.**

1) through:  $(-4, 0)$ , slope = 3

2) through:  $(0, -4)$ , slope =  $-3$

**Write the slope-intercept form of the equation of the line described.**

3) through:  $(-1, 1)$ , parallel to  $y = 3x + 3$

4) through:  $(-3, -3)$ , parallel to  $y = \frac{4}{3}x + 3$

5) through:  $(-1, 2)$ , perp. to  $y = \frac{1}{3}x - 1$

6) through:  $(-1, 1)$ , perp. to  $y = -x + 2$

**Write the slope-intercept form of the equation of each line.**

7)  $0 = -4 + y - 3x$

8)  $28 = -x - 8y$